

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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TITLE : AGENT FOR HAIR TREATMENT AND METHOD THEREFOR

ABSTRACT : PURPOSE: The titled agent simultaneously carrying out permanent wave formation treatment or reform for curly hair such as vicious hair, frizzed hair, etc., and hair dyeing treatment, obtained by combining a permanent wave solution with a metallic dyeing agent.

CONSTITUTION: An agent for hair treatment comprising a first agent containing a thioglycolate as a reducing agent, a mercapto compound such as cysteine, etc., a sulfite, thiosulfate, hydrogensulfite or another reducing compound, a second agent containing a salt of metal such as iron, copper, etc., a third agent containing a compound having a phenolic hydroxyl group or an enol form hydroxyl group or a hydroxyl group or carboxyl group similar to it as a coupler which is reacted with iron or copper contained in the second agent and colored and a fourth agent containing an oxidizing agent such as a bromate, perborate, aqueous solution of hydrogen peroxide, etc.

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